{ fib:JS }

Javascript on Fiber

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What is fibs ?

- Javascript Platform

- Based on V8

- Non-Blocking

- Fiber-Driven

- NO CallBack

How to install it ?

brew install fibjs

http://fibjs.org

What's the difference ?

Demo

Node.js :

```
http.get("http://www.google.com/index.html", function(res) {
    console.log("response: " + res.statusCode);
}).on('error', function(e) {
    console.log("Got error: " + e.message);
});
```

Fibjs :

```
try{
    var res = http.get("http://www.google.com/index.html");
    console.log("response: " + res.status);
}catch(e){
    console.log("error: " + e.message);
}
```
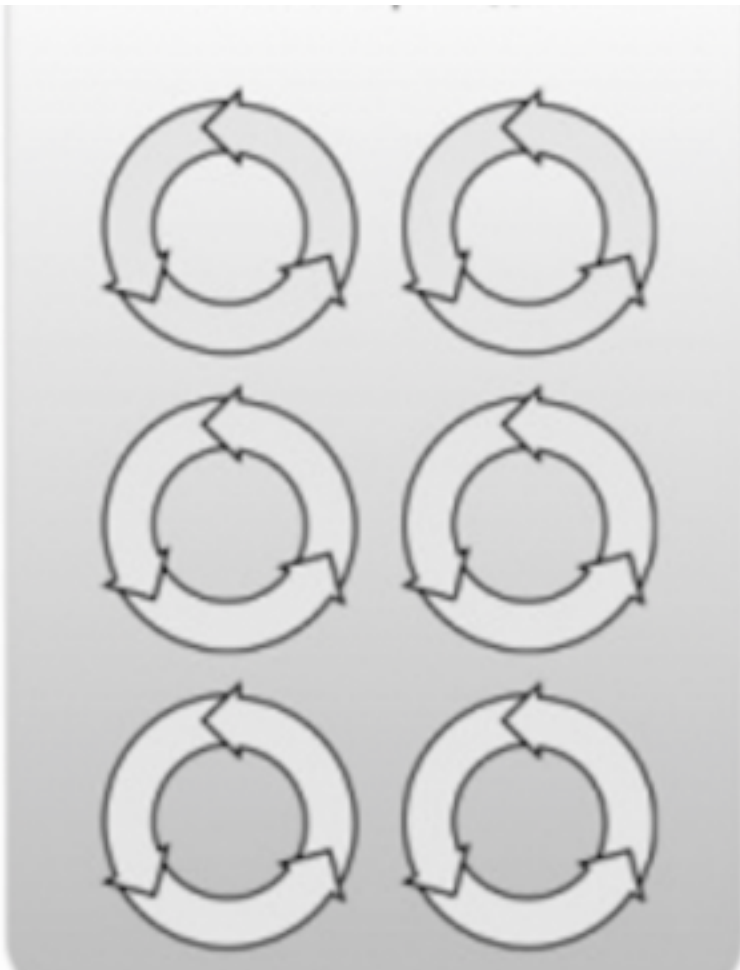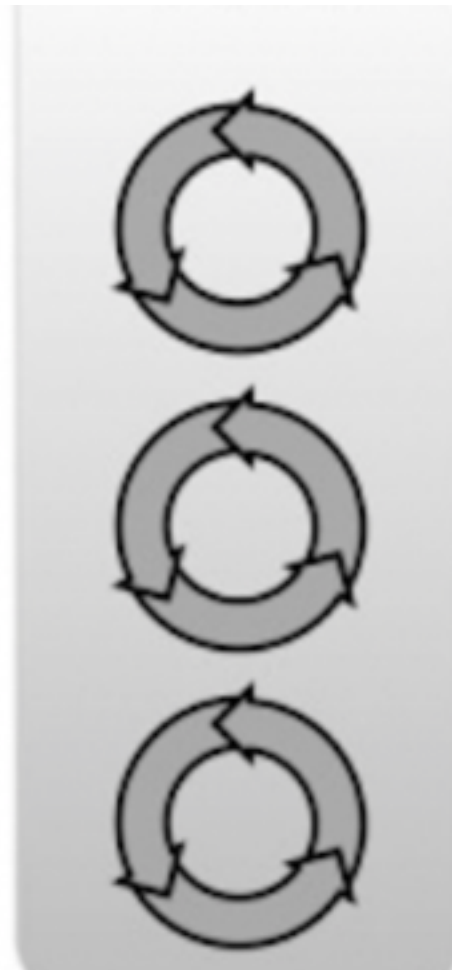
Pretty Cool!

How does it works ?

Current fiber pending，Javascript switch to next waiting fiber。When the pending fiber's job has been done,it will be added to the waiting queue.

```
try{
    var res = http.get("http://www.google.com/index.html");
    console.log("response: " + res.status);
}catch(e){
    console.log("error: " + e.message);
}
```
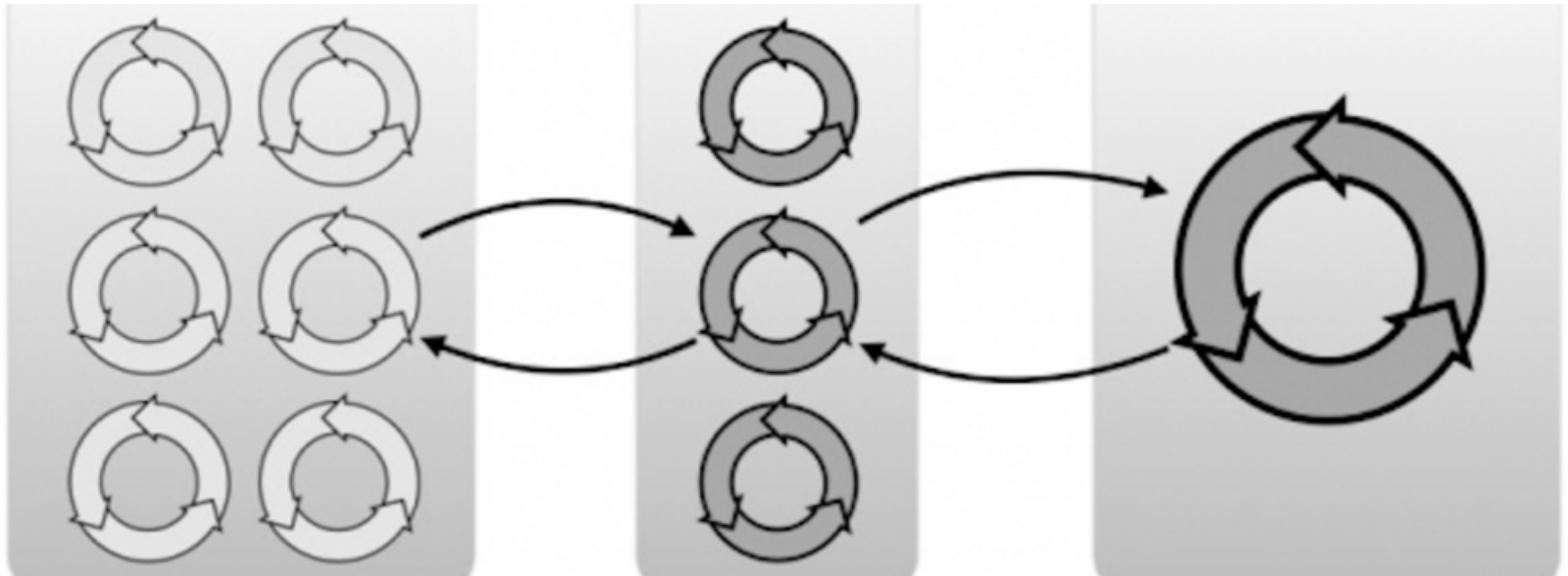
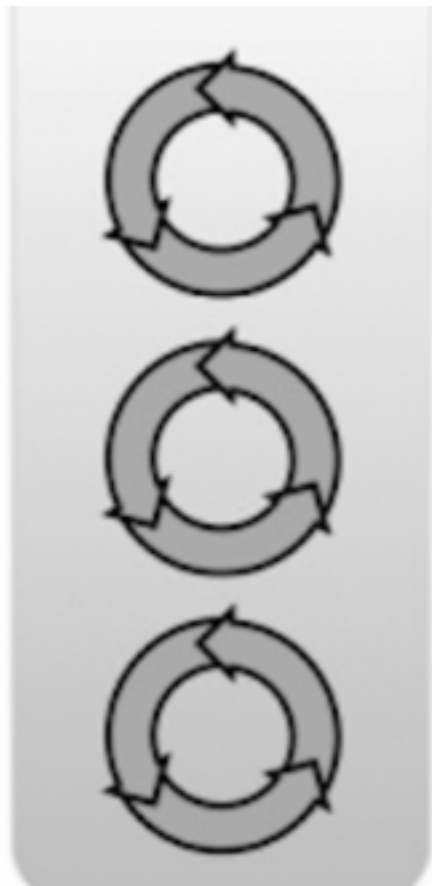# JS Thead   Work Thead Pool   IO Thead
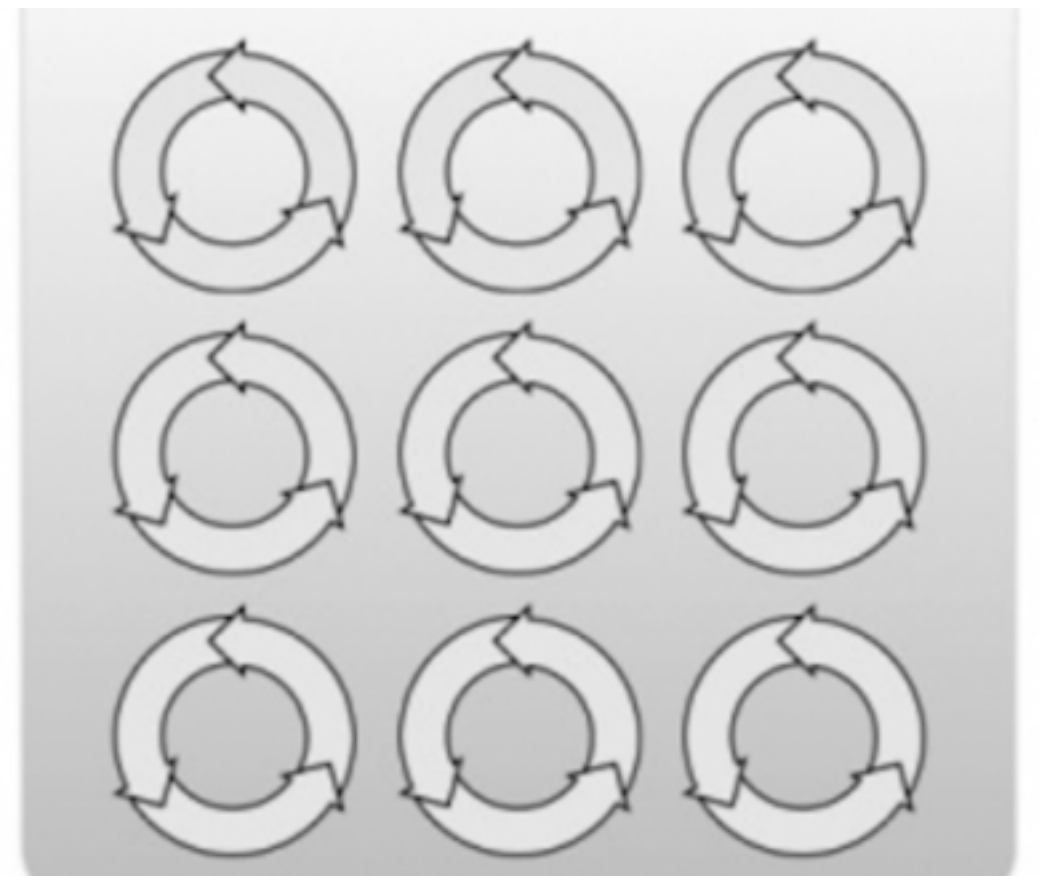
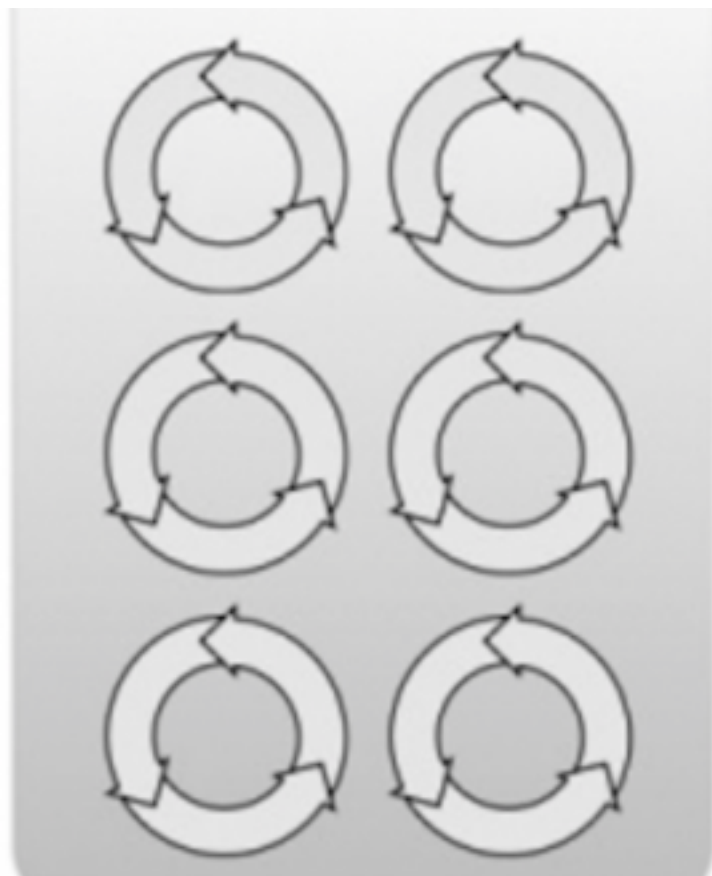JS Thead   Work Thead Pool   IO Thead

Work Thead Pool

- Sync IO. (file)

- Compute Intensive.(Encryption，Compression，image…)

- Async Logic.(Protocol processing)

Improve the utilization of JS Thread

Experience Sharing

- Module

- Parallel

- Hot Upgrade

- Transplant npm package

Module System

- CommonJS

- Asynchronous Require(unlike node.js)

- exports&module are valid, only when required

- exports cloned object

- .module(similar to node_modules)

Parallel

- coroutine.parallel

Hot Upgrade

Demo

Transplant npm package

- Pure JS library, direct use。

- Node async API， modify to fibjs API

- Create your owen lib ， based on fiber！

Conclusion

- Simple

- Completely Asynchronous

- No CallBack

- Powerful

Try it now!

Q/A

Thank!